## MATERIAL SAFTEY DATA SHEET FOR COATINGS, RESINS AND RELATED MATERIALS REPLACES NCPA 1-82

....NUFACTURERS NAME

CROWN METRO AEROSPACE COATINGS, INC. 4343 TEMPLE CITY BLVD. TEMPLE CITY, CALIF. 91780

EMERGENCY TELEPHONE NO.

(818) 579-6270

DATE OF PREPARATION:

\_\_iling Range: 231°F-252°F

Evaporation Rate: Vapor Density: XXX

INFORMATION TELEPHONE NO.

DATE OF PREPARATION: 6/16/89		INFORMATION TELEPHONE NO. (818) 579-6270					
SECTI			DENTIFICAT		•		
PRODUCT NUMBER: 3-1H-3	MÍX RATIO:						
PRODUCT NAME: Curing Solution							
PRODUCT CLASS: Aliphatic Polyison	V.O.C. 265 g/1						
	ON II - I	HAZARDOUS	INGREDIEN'	TS			
	OCCUPATIONAL EXPOSURE LIMITS						
Ingredient CAS#	Max %Wt.	TLV (ppm)	(ACGIH) mg/cu.m	PEL (ppm)	(OSHA) mg/cu.m	Vapor Pressure mm.Hg. @20°C	
UNG SOLUTIONS:	:	•					
omopolymer of HDI 28182-81-2 Hexamethylene Diisocyanate)	75	NE	,	NE		NA	
DI Monomer Content (Max) 822-06-0			.02	(Suggeste	d)	NA	
ylene 1330-20-7 -Butyl Acetate 123-86-4		100 150		100 150		21 10	
·				-50		10	
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NA= Not Applicable NE= Not Estab MPPCF= Million particles per cubi	c foot	*= Respir	able Dust	Flash 1	Point 91		
SECTIO		PHYSICAL	DATA				
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Volatile Volume: 30%

Faster than Ether XXX

Heavier than Air:\_\_\_\_

Wt./Gal<u>8.85</u> Slower than Ether\_\_\_

Lighter than Air:\_\_\_\_

SECTION IV - FIRE AND EXPLOSION HAZARD DATA						
Flammability Classification: OSHA Class IB Flash Point 40°F. TCC LEL 1.  DOT_ Paint, Flammable Liquid, (UN1263)						
Extinguishing Media: Use NFPA Class B extinguishers.						
X Foam "Alcohol" X CO <sub>2</sub> X Dry Chemicals X Water Fog Other						
UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires specifal precautions. Self contained breathing apparatus should be worn by firefighters. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.						
SPECIAL FIREFIGHTING PROCEDURES: Water spray may be ineffective. If water is used, fog nozzels are preferred. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat.						
SECTION V - HEALTH HAZARD DATA						
EFFECTS OF OVEREXPOSURE: Can cause irritation to skin, eyes and respiratory tract. Symptoms may be watering of eyes, dryness of throat, coughing, headache, tightness in chest or burning sensation. Allergic reactions may occur in some individuals. Headache, dizziness or nausea may be experienced by some as a result of exposure to solvents.						
JICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Persons with asthmatic type conditions, chronic bronchitis or other chronic respiratory diseased or recurrent skin eczema or sensitization should be excluded from working with this product.						
PRIMARY ROUTE(S) OF ENTRY: X Dermal X Inhalation Ingestion						
EMERGENCY AND FIRST AID PROCEDURES: Eye contact: Flush with water for 15 minutes. Consult physicial. Skin Contact: Wash affected area with soap and water. Remove contaminated clothing. Consult physician. Inhalation: Remove to fresh air. Consult physician. Ingestion: Drink water to dilute. Do not induce vomiting. Consult physician.						
SECTION V - REACTIVITY DATA						
STABILITY: Unstable X Stable						
HAZARDOUS POLYMERIZATION: May Occur X Will Not Occur HAZARDOUS DECOMPOSITION PRODUCTS: By fire - CO, CO, nitrogen oxides, traces of DCN and HDI.						
CONDITIONS TO AVOID: Contact with moisture and other materials which react with isocyanates. Temperature above maximum storage temperature. Avoid exposure to heat, sparks, or open flames.						
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with water, alcohols, amines, strong bases, metal compounds or surface active materials. Avoid contact with strong						

oxidizing agents.

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate nonsential personnel. Remove all sources of ignition (sparks, flames, hot
surfaces). Ventilate the area. Equip clean up crew with self-contained
breathing apparatus. Dike spill. Cover with sawdust, vermiculite, Fuller's
earth. Collect material-in-open containers.

WASTE DISPOSAL METHOD: Conform to Federal, State and Local regulations. Empty containers must be handled carefully due to product residue and flammable solvent vapor.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: In outdoor or open areas use NIOSH approved mechanical filter respirator. In restricted ventilation areas, use NIOSH approved chemical/mechanical filters to remove vapors and particulates. In confined areas use NIOSH approved air line type respirators or hoods.

VENTILATION: Must be sufficient in volume and pattern to keep contaminant concentration below TLV (NIOSH) or PEL (OSHA).

PROTECTIVE GLOVES: Required, butyl rubber recommended.

EYE PROTECTION: Required. Use goggles, face shields or safety eyewear with sideshields.

HER PROTECTIVE EQUIPMENT: Protective creams where skin contact is likely.

HYGIENIC PRACTICES: Wash hands for eating or using bathroom. Remove and wash contaminated clothing before reuse. Wear chemical resistant boots.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 100°F. Store in large quantities only in buildings designed to comply with OSHA 1910.106. Keep containers closed and upright to prevent leakage. Do not store or use near heat, sparks, or flames.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with vapor or spray mist during application or curing.